



## WATER SAVING (WS)

### 20% REDUCTION WATER USE CALCULATION TABLE (WS-2)

20% REDUCTION WATER USE CALCULATION TABLE											
Fixture Type	Quantity		Flow-rate (gpm) <sup>2</sup>		Duration		Daily uses		Occupants <sup>3, 4</sup>		Gallons per day
Showerheads		X		X	5 min.	X	1	X		=	
Showerheads Residential		X		X	8 min.	X	1	X		=	
Lavatory Faucets Residential		X		X	.25 min.	X	3	X		=	
Kitchen Faucets		X		X	4 min.	X	1	X		=	
Replacement Aerators		X		X		X		X		=	
Wash Fountains		X		X		X		X		=	
Metering Faucets		X		X	.25 min.	X	3	X		=	
Metering Faucets for Wash Fountains		X		X	.25 min.	X		X		=	
Gravity tank type Water Closets		X		X	1 flush	X	1 male <sup>1</sup> 3 female	X		=	
HET 5 High Efficiency Toilet		X	1.28	X	1 flush	X	1 male <sup>1</sup> 3 female	X		=	
Flushometer Tank Water Closets		X		X	1 flush	X	1 male <sup>1</sup> 3 female	X		=	
Flushometer Valve Water Closets		X		X	1 flush	X	1 male <sup>1</sup> 3 female	X		=	
Electromechanical Hydraulic Water Closets		X		X	1 flush	X	1 male <sup>1</sup> 3 female	X		=	
Urinals		X		X	1 flush	X	2 male	X		=	
Urinals Non-Water Supplied		X	0.0	X	1 flush	X	2 male	X		=	
Proposed water use										=	
_____ (BWU from WS-1) X .80 = _____ Allowable water use											

<sup>1</sup> Except for low-rise residential occupancies, the daily use number shall be increased to three if urinals are not installed in the room.

<sup>2</sup> The Flow-rate is from the CEC Appliance Efficiency Standards, Title 20 California Code of Regulations; where a conflict occurs, the



CEC standards shall apply.

<sup>3</sup>

For low-rise residential occupancies, the number of occupants shall be based on two persons for the first bedroom, plus one additional person for each additional bedroom.

<sup>4</sup>

For non-residential occupancies, refer to Table A, Chapter 4, 2010 California Plumbing Code, for occupant load factors.

<sup>5</sup>

Includes single and dual flush water closets with an effective flush of 1.28 gallons or less Single Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A112.19.233.2. Dual Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME A112.19.14.

☐ Plumbing fixtures installed meet the requirements of Section 5.303.6.

**Contractor (Documentation Author's /Responsible Designer's Declaration Statement)**

- I certify that this Certificate of Compliance documentation is accurate and complete.
- I certify that the features and performance specifications for the design identified on this Certificate of Compliance conform to the requirements of Title 24, Parts 11 of the California Code of Regulations.
- The design features identified on this Certificate of Compliance are consistent with the information documented on other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with the permit application.

Signature:

Company:

Date:

Address:

License:

City/State/Zip:

Phone: